

## 38316 Hook-up/Lead - UL Type PV Wire



For more Information  
please call

1-800-Belden1



### Description:

16 AWG stranded (26x30) tinned copper conductors, XLPE insulation, non-integrally PVC jacketed, sunlight resistant, photovoltaic wire.

### Usage (Overall)

**Suitable Applications:** Interconnection wiring of grounded and ungrounded photovoltaic power systems as described in Section 690.31(A) of the 2008 NEC.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Conductors	AWG	Stranding	Conductor Material
1	16	26x30	TC - Tinned Copper

**Total Number of Conductors:** 1

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (in.)
XLPE - Cross Linked Polyethylene	0.063

#### Separator

**Separator Material over Conductor:** Y

#### Jacket

**Jacket Material:** PVC - Polyvinyl Chloride

**Jacket Thickness:** .033

#### Overall Cable

**Overall Nominal Diameter:** 0.257 in.

### Mechanical Characteristics (Overall)

**Operating Temperature Range:** -40°C To +90°C

**UL Temperature Rating:** 90°C Wet/Dry

**Bulk Cable Weight:** 35 lbs/1000 ft.

**Max. Recommended Pulling Tension:** 34 lbs.

**Min. Bend Radius/Minor Axis:** 2.500 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

**UL Rating:** 2000V, 90C

**UL Type:** PV

**EU Directive 2000/53/EC (ELV):** Yes

**EU Directive 2002/95/EC (RoHS):** Yes

**EU RoHS Compliance Date (mm/dd/yyyy):** 09/01/2009

**EU Directive 2002/96/EC (WEEE):** Yes

<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes

**Flame Test**

<b>UL Flame Test:</b>	VW-1
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**Suitability**

<b>Sunlight Resistance:</b>	Yes
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**Plenum/Non-Plenum**

<b>Plenum (Y/N):</b>	No
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**Electrical Characteristics (Overall)**

**Nom. Conductor DC Resistance:**

<b>DCR @ 20°C (Ohm/1000 ft)</b>
3.700

**Max. Operating Voltage - UL:**

<b>Voltage</b>
2000 V RMS

**Max. Recommended Current:**

Description	Current
Single conductor in free air @ 30 ambient	24 amps

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
38316 0101000	1,000 FT	39.000 LB	BLACK	C	#16 XLPE PVC
38316 0105000	5,000 FT	185.000 LB	BLACK	C	#16 XLPE PVC

**Notes:**

C = CRATE REEL PUT-UP.

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